Bruhat Bangalore Mahanagara Palike
Executive Engineer Project Division Yelahanka

Name of Work: Providing Walking track and other developmental works to Attur lake in Ward No.03 Attur

									Est Cost: 200.00 Lakhs
No	**Description of Item**	**Unit**	**No**	**Length**	**Width**	**Depth**	**Quantity**	**Rate**	**Amount**
	Civil Work								
1	KSRRB 200-9. **Clearing and grubbing road** land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. thorney jungle (I No-18.12,P No-138)								
	Basic rate	15.00							
	Area Weightage 6%	0.90							
	Total	**15.90**							
	Pathway	**Sqm**							
	Attur Lake			**Area**					
	Link Pathway, Ch: 0 to 350m		1	1600.00			1600.00		
							1600.00	**15.90**	**25,440.00**
2	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (I No-19.1,P No-141)								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	8km lead, Loading and Unloding &	77.48							
	Total	**215.28**							
		Cum							
	Debris/ Loose soil								
			1	40.00	3.00	0.20	24.00		
			1	30.00	2.50	0.25	18.75		
			1	28.00	2.00	0.25	14.00		
			1	35.00	1.80	0.30	18.90		
							75.65	**215.28**	**16,285.93**
3	Removing and **resetting of kerb stones** (I No-37.57, P No-270)								
	Basic rate	99.00							
	Area Weightage 6%	5.94							
	Total	**104.94**							
	Pathway	**m**							
	Attur Lake								
	Pathway 1, Ch: 0 to 950m		2	940.00			1880.00		
	Pathway 1, Ch: 1500 to 2231m		2	720.00			1440.00		
							3320.00		
	Deduct 20% missing/damaged						664.00		
							2656.00	**104.94**	**278720.64**
4	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Basic rate	5422.00							
	Area Weightage 6%	325.32							
	Total	**5747.32**							

No	Description of Item	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Pathway	Cum							
	Attur Lake								
	Pathway 1, Ch: 0 to 950m		2	940.00	0.20	0.10	37.60		
	Pathway 1, Ch: 1500 to 2231m		2	720.00	0.20	0.10	28.80		
							66.40	**5747.32**	**381622.05**
5	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications (I No-19.64, P No-147)								
	Basic rate	6.00							
	Area Weightage 6%	0.36							
	Total	**6.36**							
	Pathway	Sqm							
	Attur Lake			Area					
	Pathway 1, Ch: 0 to 950m		1	4420.00			4420.00		
	Pathway 1, Ch: 1500 to 2231m		1	3750.00			3750.00		
							8170.00	**6.36**	**51,961.20**
6	KSRRB M300-53. **Construction of embankment with approved material** Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (I No-19.60,P No-147,KPWD SR 2018-19)								
	Basic rate	325.00							
	Area Weightage 6%	19.50							
	Total	**344.50**							
		Cum							
	Pathway								
	Attur Lake								
	Low Lying Area		1	300.00	3.50	0.15	157.50		
			1	180.00	2.80	0.15	75.60		
			1	120.00	3.20	0.15	57.60		
			1	220.00	3.80	0.15	125.40		
							416.10	**344.50**	**143346.45**
7	KSRB 4-1.2 : **Providing and laying in position plain cement concrete of Mix 1:3:6** with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13,I No-4.2,KPWD SR 2018-19)								
	Basic rate	5194.00							
	Area Weightage 6%	311.64							
	Total	**5505.64**							
	Pathway	Cum							
	Attur Lake			Area					
	Pathway 1, Ch: 0 to 950m		1	4420.00		0.15	663.00		
	Pathway 1, Ch: 1500 to 2231m		1	3750.00		0.15	562.50		
							1225.50	**5505.64**	**6747161.82**
8	KSRB 14.6 : Providing and laying **heavy duty cobble stones** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6,KPWD SR 2018-19) **heavy duty cobble stones 60mm thick**								

No	Description of Item	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Basic rate	1053.00							
	Area Weightage 6%	63.18							
	Total	**1116.18**							
	Pathway	**Sqm**							
	Attur Lake			Area					
	Pathway 1, Ch: 0 to 950m		1	4420.00			4420.00		
	Pathway 1, Ch: 1500 to 2231m		1	3750.00			3750.00		
							8170.00	**1116.18**	**9119190.60**
9	Providing and fixing **pre cast solid cement concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.(P.No-27,I No-5.30)								
	Basic rate	408.00							
	Area Weightage 6%	24.48							
	Total	**432.48**							
	Pathway	**Nos**							
	Attur Lake								
	From item no. 03						664.00		
							1476.00	**432.48**	**638340.48**
10	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-180,I No-24.1)								
	Basic rate	80.00							
	Area Weightage 6%	4.80							
	Total	**84.80**							
		Sqm							
	Pathway								
	Attur Lake								
	Pathway 1, Ch: 0 to 950m		2	940.00	0.35		658.00		
	Pathway 1, Ch: 1500 to 2231m		2	720.00	0.35		504.00		
							1162.00	**84.80**	**98,537.60**
								Total Construction Cost	**17500606.77**
								Towards GST 12%	**2100072.81**
								DPR and PMC Charges 2%	**399000.00**
								Sub Total	**19999679.58**
								Utility Shifting,Miscellaneous and Rounding off	**320.42**
								GRAND TOTAL	**20000000.00**

Technical Sanction
Accorded For RS 200 Wbarchemly
Head of A/C P2693
CER NO : 126 Dt 06.11.2019

TA, CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

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